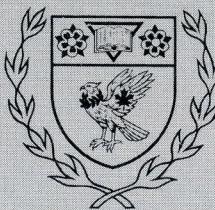


# post grad



ASSOCIATION OF ALUMNI  
SIR GEORGE WILLIAMS UNIVERSITY

## NEWSLETTER

NO. 9

FEBRUARY 1971

### NEW BODY TO HELP - \$

An organization of friends of Sir George Williams University has been established to bring the University closer to the community it serves.

Known as the Associates of Sir George Williams University, the group is established as a non-profit corporation, separate from, but associated with the University. The group has the official approval of the University's Board of Governors.

In recent weeks, the preliminary organizational work has been undertaken by a Founding Committee comprising Messrs. David M. Bernstein, Laird W. Bovaird, Lionel Coté, Roland Désourdy, C.A. Duff, W.H. Ellis, E. Glyde Gregory, J.R. Hannan, C. Denys Heward, George M. Hobart, E.A. Lemieux, Zotique Lespérance, Moses Levitt, G.W. Millar, A. Morrow, C.B. Neapole, Nathan Steinberg, Max Teitelbaum, Henry Valle, Marcel Vincent and E.P. Zimmerman.

Membership in the Associates is open to all members of the community who feel the University merits their interest and support. It is served by a Secretariat responsible to a Board of Directors which were appointed at the Associates' first general meeting, February 3, 1971. The Executive Secretary is Brian Selwood, (telephone: 879-2830).

While there is no membership fee, as such, the condition of membership is an annual donation of at least \$25 to the Associates for the use of the University.

The official aims of the Associates are:

1. To provide a link between the University and the community it serves.
2. To assist and advise the University in the establishment of special projects related to the overall development of Sir George Williams.
3. The Associates may also sponsor certain of the University's approved projects by assuming financial responsibility for such projects.
4. Members are encouraged to participate in the life of the University by attending functions which will, from time to time, be announced to them, and by initiating activities of their own for which invitations may be extended to University representatives.

### DRIVE SUCCEEDING

The Association's membership drive to recruit active alumni in support of Sir George Williams University is off to a flying start with close to a thousand members having sent in over \$12,000 to date. The Board and the Campaign Committee are pleased with this initial response but the goal we are aiming for is to enroll 2,000 members (20% of the present number of graduates) and hope to raise in excess of \$20,000 in the current year. The money is intended to be used to support the University's scholarship programs and general financial needs.

In addition, the Alumni Association has undertaken to raise funds for 15 Graduate Fellowships which will cost \$51,000 which is included in the total package of needs which the administration has put together for a total cost of \$763,000. One graduate fellowship has been obtained by us and another is well on the way to being completed. All graduates are asked to assist by providing names of prospective supporters to the Alumni Office.

There are still large numbers of Alumni who are not responding to our appeal for support from sheer neglect and if they would just take a moment, send us their membership, it would mean a banner year for the Association. We must always remember that Sir George has helped us all and it is now time for us to help Sir George.

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### CANDLELIGHT BALL

Plans are now completed for the:

5th Annual Eastern Universities Night  
Candlelight Ball  
Friday, March 26 - Palliser Hotel  
Cocktails 7:30      Buffet-Dancing 8:30  
Dress Optional      \$16 / Couple

Contact: Fran Atkins (Calgary) 255-7534

# PERSONALITIES

All our inquiries show that you enjoy reading about what your classmates are up to . . . so, why not keep them up-to-date on what you are doing? It takes only a moment of your time to drop POSTGRAD a note with the latest events at your address: a move, a marriage, a graduate degree, a new job.

To make the task simpler, we've provided an easy-to-fill-in form at the end of this page. Please use it ... **N O W !**

\* \* \*

LASZLO HUDRA (B. Comm. '61) is now making his home in Columbus, Ohio. He has been active in continuing his studies having obtained a masters degree in business administration from Illinois State University in 1968. In addition he was granted a Doctor Iuris Rerumque Politicarum (if your Latin is rusty, that's a doctorate in Laws and Political Science) from Eotvos Lorand University in Budapest; and the Society of Industrial Accountants of Quebec granted him his diploma as an RIA (Registered Industrial Accountant).

DAVE CAMPBELL (Arts '42) recently elected to the Alumni Association's Board of Directors, is looking for new ways to utilize his time now that his Cable TV Ltd. (of which he has been president) has been sold to Starlaw Investments Ltd. (which owns the Montreal Star and other properties).

RONALD RIEDER (Arts '55) has been named associated director of corporate relations for Daylin Inc., in Beverly Hills, California. Daylin is an international operation which owns and operates chains of drug stores, discount stores, home improvement centers and other related businesses. Ron formerly was executive vice-president of a public relations agency in Beverly Hills for four years. Prior to that he was night city editor of the Van Nuys News and went to the U.S. after service with the Montreal Star. He holds a Journalism degree from Carleton. He, his wife Pauline, and their three sons live in Van Nuys.

FRED KERNER (Arts '42) back in Montreal after a 25 year stay in New York City, has been named to serve on an experimental ombudsman committee set up by the Protestant School Board of Greater Montreal. The committee is functioning at Westmount High School and may be the forerunner of a series of such committees throughout the province following the restructuring of school boards in Quebec under pending legislation.

BRIAN CHAPMAN (Arts '67) better known as Blues Chapman when he served between the goal posts on the Georgian Hockey Team, is making a mark for himself in Toronto where he is a youth worker with that city's Project 70. Wearing shoulder-length blond locks and a sweeping moustache, Chapman took part in a panel discussion on the

non-medical use of drugs at the annual convention of the Ontario Hospital Association. Chapman, showing the same flair that he did on skates, criticized hospital administrators for what he called their hands-off approach to the treatment of drug users. He told of being turned away from hospital after hospital when he sought to have a drug-user on a "bad trip" admitted for treatment. Hospital administrators were forced to admit that Chapman was correct and that hospital attitudes had to change.

Here's some news about me: (Now fill in this coupon and mail it to Postgrad, Association of Alumni, Sir George Williams University, 1435 Drummond Street, Montreal, Quebec.) Tell us if you've been married, moved, have a new job, got a graduate degree, become a parent, etc.)

Name \_\_\_\_\_

## Class

Address \_\_\_\_\_

# NEW YORK GALA

The Canadian Universities Ball will be held on  
FRIDAY, 26th MARCH, 1971 at the  
BAROQUE ROOM of the HOTEL PLAZA,  
NEW YORK CITY.

All graduates are invited to attend. For further information please contact:

Mr. Lionel DaCosta, B.Comm. '58 (788-5000)  
144-32 75th Road, Apt. C,  
Kew Garden Hills, Queens, N.Y. 11367.

# NOW IT'S YOUR TURN

Sir George graduates are a strange breed of animals, or so they appear at least. While the university has shown during its history an interest and even a concern for the community it serves, it does not seem to have shaped graduates who hold a reciprocal concern or even interest in the university.

It would probably be advisable to state at this point that this is not an appeal for more money. It goes beyond to something which appears to be even harder to stimulate than donations. That factor is, of course, time. Time to read, time to think, to question, to write.

Is it a comment on all society or just on Alumni members that of all the mail received by the association, virtually none expresses an interest in what is happening at Sir George.

No one has ever written suggesting that the Newsletter present an article on any specific area. Could it be that graduates do not care? The donations sent to date would tend to indicate that this is not the case. The number of contributions received for Personalities show that at least some people read at least part of the paper. What then is the reason?

The whole Alumni Association is now, and has been for some time, undergoing a transformation and reorganization. The same holds true for the Newsletter. The changes began with the last issue and will continue until we can provoke reader reaction.

While the Newsletter can never be considered as an alternative to "TIME" or SATURDAY NIGHT we still hope to produce something of interest to the Alumni. We are aware of progress with the Newsletter in some areas as the format has been copied recently by several other alumni organizations. We hope that they have better reader response than we do.

The last issue began a series of articles written by faculty members concerning academic developments at the university (it does have an academic side). Also included was an expanded athletics section and the Personalities page which will continue if for no other reason than that it provides us with our only mail other than bills and other alumni publications. The expanding association activities are providing us with another source of copy. Attempts are being made to arrange a regular column written by a student. Hopefully that will provoke reaction.

The question remains, however, what do the potential readers want? What would interest you more than requests for money? Think about it at night instead of worrying about the other things you forgot to do. Then take five minutes and six cents and let us know.

The only valid criteria for evaluating a publication is the "Letters to the Editor". We cannot, however, have a letters column without letters.

# LECTURES

Sir George Williams University's department of education is presenting a public lecture series.

Talks by three academics and the Minister of Education are scheduled as follows:

February 17 - Prof. Gary Boyd, SGWU's Centre for Instructional Technology, on "Educational Cybernetics";

February 24 - Dr. Marcel Goldschmid, McGill's Centre for Learning and Development, on "Efforts to Improve University Teaching Methods";

March 10 - Prof. Mark Braham, SGWU's Department of Education, on "Seven Principles of Education";

March 26 - Hon. Guy Saint Pierre, Minister of Education, on "Education in Quebec".

The lectures are held at 8:15 p.m. in room 937 of the Hall Building, de Maisonneuve at Bishop. All interested parties are invited.

## CLIP ME!

### SOCIAL AND CULTURAL EVENTS

Your directors are planning a series of social and cultural functions during 1971. It would be appreciated if you would earmark the activities you would most like to attend:

A - Receptions
B - Car Rally
C - Wine and Cheese Party
D - Bartenders School
E - Activity Dinners (with speaker)
F - Golf Tournament
G - Curling
H - Film Nights
I - Fashion Show
J - Splash Party
K - Suggestions

Note: Functions for which the Alumni do not show a definite interest will be cancelled or replaced.

Return this clipping to the  
ASSOCIATION OF ALUMNI OFFICE

Name \_\_\_\_\_

Address \_\_\_\_\_

Phone No's: Home \_\_\_\_\_ Office \_\_\_\_\_

# MICROELECTRONICS

The invention of the transistor brought along a considerable revolution in electronics, but this was only the prelude to a much more greater revolution - the integrated circuits and/or microelectronics.

Our University is the only one in Canada and one of the few (M.I.T., University of California) being active in the field of microelectronics technology. Our Microelectronics Laboratory occupies about 1500 square feet of floor space in the Hall Building (H-007). This laboratory is intended to serve three basic purposes:

1. To teach future electrical engineers the fundamentals of modern microelectronic circuits and device construction methods as well as the techniques used in advanced solid-state materials research.
2. To give the future system and equipment designers first-hand experience with basic design guidelines confronting the integrated circuit design engineers.
3. To carry out research and development activities in collaboration with industrial organizations and with the cooperation of graduate students of our University during their thesis preparation.

This is a very essential part of modern engineering, since the advent of microelectronics is causing still another electronic revolution in communication, data processing, transmission, control etc., and it is expected that in the not too distant future, most electronic circuits will be integrated on a thin chip of semiconductor.

But the question which has to be answered now is why? What is the reason of the very large influence of microelectronics even on our everyday life. We all know of small transistor radios and the increasing amount of solid state circuits in almost everything which is electronics. What made these possible, including computers and satellites, to a large extent? Solid-state devices and integrated circuits, which are microelectronics. Let us examine some figures. The most important factor in the early development of microelectronics was the great reduction in physical size and weight of the equipment. This was particularly important for space application, in which every pound of weight saved meant a reduction in space vehicle cost of about \$20,000. Transistor radios were just a byproduct. However, it soon became apparent that the most important gain of all was improved reliability. One definition of reliability is the probability of a device or system performing a specific function for a specific length of time.

Let us consider a typical, medium size electronic computer. It may contain over 50,000 transistors and diodes. If the failure of one of these will render the computer inoperative, which might be the case, and it is specified that this must not happen, on an average more than once a week, the devices must have an average life expectancy of 350,000 days - approximately 1,000 years. That is what only microelectronics can do, and it can do it even better! The above mentioned requirements can be expressed alternatively as a failure rate of 0.012% per 1,000 hours. The operation of integrated circuits in large electronic equipment is now beginning to provide additional reliability data under operating conditions in the job, and the indications are that actual reliabil-

bility is even better - approaching 0.001% per 1,000 hours, this would mean, on an average, one failure in 50,000 devices per 10 weeks. This is the only economical way to realize computers, satellite communication systems and is very welcomed in transistor radios also. Thus reliability is probably the most important reason for using microelectronics. The small size and weight are "thrown in" as a bonus.

In the undergraduate level about 20 students can be accommodated per term. The laboratory is open week days from 9:00 a.m. to 5:00 p.m. so the students can find a block of working hours convenient to him as an individual. Graduate students can work anytime, having a key for the laboratory. A laboratory technician is on duty whenever the laboratory is open to assist students and help to provide continuity in their work, should they have to leave for another class.

The prescribed experiments for undergraduate students each of which requires one weekly laboratory session will be (post-CEGEP):

1. Oxidation and photolithography
2. Diffusion
3. Metal vacuum deposition and alloying
4. Wafer probe-testing, dicing and bonding.

These experiments are related to two one term courses and to one elective course.

The graduate programme based on this laboratory consists of five courses: Solid-state electronics, Microelectronics material technology, Microelectronics devices and Integrated circuit technology and Devices and Integrated circuits design.

These courses with the networks and systems graduate courses permit the student to pursue a device of integrated circuit project of his own design familiarizing himself with the theoretical and technological aspects of microelectronics equally well.

The laboratory has been developed over the past year, and inside it a 12' x 16' dark room was constructed, illuminated with yellow safe-light and it contains all the photolithographic processing equipment required for integrated circuit fabrication. The other part of the main room houses a zone-refiner for high quality single crystal growth, a diffusion furnace for junction preparation, a high vacuum evaporator and DC-AC sputtering unit for thin film passive circuit research and development, a high resolution image reduction camera for mask preparation and some auxiliary equipment required for active and passive integrated circuit research and fabrication.

We can be proud that at our University we have the opportunity to teach and familiarize our students with this advanced and modern field of electronics and we are most certainly thankful that the University has provided the necessary facilities to undertake research and development activities in this area, which is unique in any Canadian University.

B.A. Lombos, Ph.D.  
Dept. of Elect. Engineering  
S.G.W.U.

# ATHLETICS

The Georgian hockey club is preparing for a tough battle for a playoff spot in the OSLAA. The Georgians, who have never missed a playoff spot since 1963 and have won five league titles during that time, got off to a disappointing start this year. After winning five out of six exhibition games against some of the top teams in Canada and the U.S. the Georgians faltered in league play and to date have recorded only one victory in six OSLAA starts. Coach Paul Arsenault has been forced to drop several older players from the lineup because of poor attitude and the rookie replacements have taken some time to develop. The Georgians however are suddenly looking like title contenders. In their latest outing against the Loyola Warriors at the Pointe Claire Arena the Georgians outplayed the league leaders, outshot them 37-33 but lost a 2-1 decision on two power play goals. The second coming with six minutes remaining. This game was billed as an alumni reunion and the few alumni and Sir George staffers who did attend were treated to quite an exciting exhibition of hockey. Many saw their first College Hockey game and all were impressed by the calibre of play. College hockey has developed to the extent where the top team such as Sir George and Loyola now play better calibre hockey than the Juniors.

The Georgians have one player already in the NHL, Bob Berry, one of the leading scorers in the Western division. Several other pro prospects are wearing Georgian uniforms. Mike McNamara is a 170 lb. rushing defenseman who has 20 points to date and recently scored four goals in a single game. John Murray is a surefire prospect. The 200 lb. high scoring winger (33 goals in 27 games last year) has been switched to centre for the remaining schedule so that he can get the puck more often. Bernie Wolfe, an 18 year old goaltender from the NDG Juveniles, has been exciting in the Georgian nets and is now considered the Georgian's number one goaltender over OHA experienced Tom Bickerdike.

## Spectator Support Poor

The Georgians have an exciting club but suffer badly from poor fan support. Part of the problem is the lack of a regular home site for games, another factor is public ignorance of the calibre of college hockey. More would attend if the local English papers would give better coverage to college events. The Athletic Department sends out press information each week and all game scores are reported faithfully, immediately following the game. Very often, however, pre game sites, scores of games played, and other information is pushed off the sports pages by some obscure American College basketball picture or the English Soccer scores. Sports are an important ingredient in any University program. At Sir George, "The concrete campus" they not only offer the student athlete the opportunity to participate but they give the University a better public image and offer the student, faculty, and alumni an opportunity to identify and communicate on a common ground. The general public will be slow to respond, but you, as an alumnus, can help by attending some of the games with your family. If this is impossible, you can still help by writing our local papers and asking for more College sports coverage. Sir George has thousands of alumni in the Montreal area plus 15,000 students presently in both day and evening division. This should be a powerful enough number to show the local press that we deserve coverage. We believe that interest stimulated by a strong athletic program can help alleviate many of the conflicts and problems within a University. Try to get out to a game you might meet an old school friend or the Registrar, or perhaps one of your old professors who flunked you in Math. If you need information on events phone the Athletic Department, 879-5840, they will be only too glad to help.

Paul Arsenault  
Department of Athletics

## HOCKEY SCHEDULE

<u>DATE</u>	<u>DAY</u>	<u>OPPONENT</u>	<u>PLACE</u>	<u>TIME</u>
February 13	Saturday	Three Rivers	Three Rivers	8:00 p.m.
19	Friday	Sherbrooke University	Sherbrooke	8:00 p.m.
20	Saturday	Bishop's University	Lennoxville	2:00 p.m.
23	Tuesday	Three Rivers	Pte. Claire	8:00 p.m.
28	Sunday	MacDonald College	Pte. Claire	3:00 p.m.

MARCH 5th and 6th, FRIDAY and SATURDAY - O.S.L.A.A. PLAY-OFFS

**TOUR PROGRAM**

# 1971 SPRING & SUMMER

\$259.00

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- 1) Depart Montreal 26 June Arrive Calgary  
Depart Vancouver 10 July Arrive Montreal
- 2) Depart Montreal 10 July Arrive Vancouver  
Depart Calgary 24 July Arrive Montreal
- 3) Depart Montreal 24 July Arrive Calgary  
Depart Vancouver 7 Aug. Arrive Montreal
- 4) Depart Montreal 7 Aug. Arrive Vancouver  
Depart Calgary 21 Aug. Arrive Montreal
- 5) Depart Montreal 21 Aug. Arrive Calgary  
Depart Vancouver 4 Sept. Arrive Montreal

**CHANGE LED**

Rate includes: Air fare Montreal -  
Calgary/Vancouver and return.  
Also includes rental of a  
standard automatic car -  
unlimited mileage; some sight-  
seeing; entrance fees; etc.

L	17 May, 1971 / 7 June, 1971.	\$175.00	Group Flight
O	1 July, 1971 / 29 July, 1971.	\$210.00	Sir George / McGill
D	3 July, 1971 / 4 August, 1971.	\$280.00 (children 1/2 fare)	
O	27 Aug., 1971 / 16 Sept., 1971.	\$175.00	
LISBON	4 April, 1971 / 18 April, 1971.	\$220.00 (children 1/2 fare)	Group Flight
	15 May, 1971 / 5 June, 1971.	\$220.00 (children 1/2 fare)	Sir George / McGill
	9 July, 1971 / 31 July, 1971.	\$255.00 (children 1/2 fare)	
Group flight to Zurich & Geneva SWITZERLAND	29 June, 1971 28 July, 1971.	\$300.00 (children 1/2 fare)	* Summer camp in Switzerland with French language courses \$395.00 additional.
RUSSIA	8 July, 1971 / 29 July, 1971 (Escorted tour)	\$1,000.00 all inclusive	
Group flight to Athens - GREECE	11 July, 1971 1 Aug., 1971.	\$331.00 (children 1/2 fare)	Rate subject to change

For further information and detailed  
brochures please contact:

Jost Travel, (514) 739-3128  
5050 de Sorel, Montreal 308, Quebec.

## POSTGRAD NEWSLETTER

Gordon Kelly - Editor  
Association of Alumni  
Sir George Williams University  
Montreal, Quebec.

